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REASONS FOR ALLOWANCE

1. Claims 1-11 are allowed.

2. The following is an examiner's statement of reasons for allowance:

Claims 1-11 are allowable because none of the prior art discloses an apparatus for monitoring the effect on a material of exposure to a fluid, the apparatus comprising a sensor element formed as a closed ring of the material, wherein the ring is mounted coaxially in a section of pipe for carrying the fluid, and in the combination as claimed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Amy He whose telephone number is (571) 272-2230. The examiner can normally be reached on 8:30am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Lefkowitz can be reached on 571-272-2180. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AH April 7, 2005.

ANJAN DEB PRIMARY EXAMINER

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